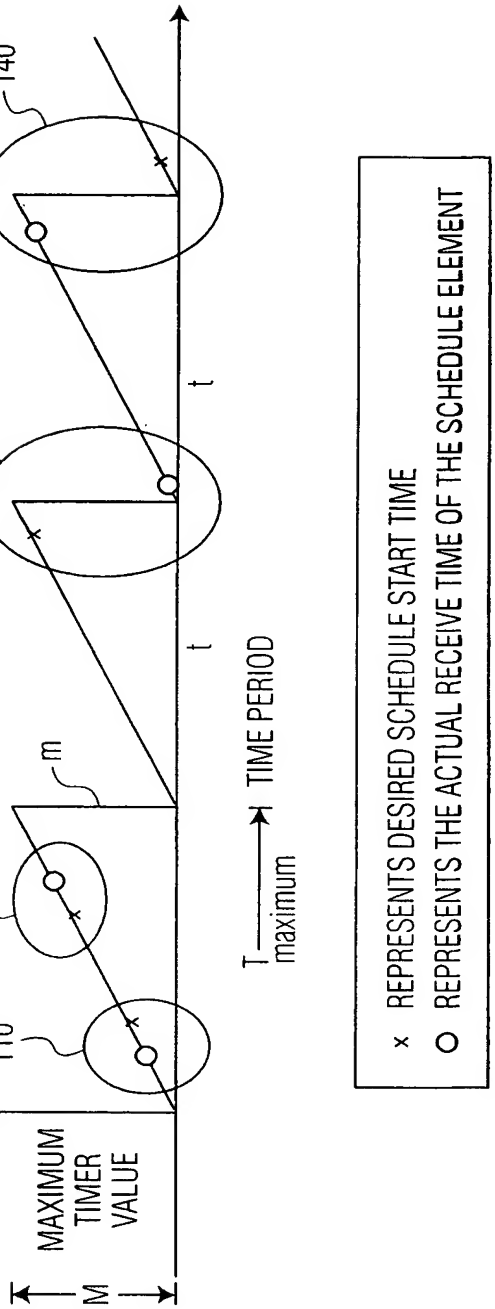
140
130
120
110
m
t
t
MAXIMUM TIMER VALUE
M
T maximum
TIME PERIOD
x REPRESENTS DESIRED SCHEDULE START TIME
O REPRESENTS THE ACTUAL RECEIVE TIME OF THE SCHEDULE ELEMENT

FIG. 1

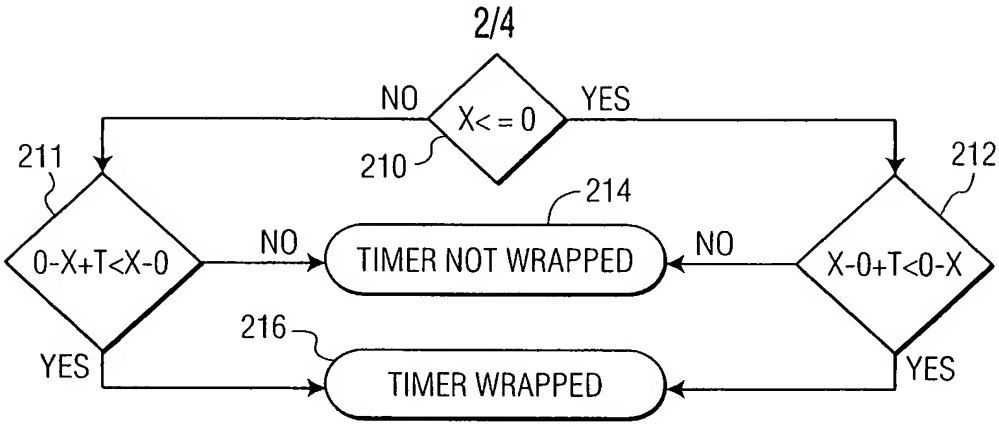

FIG. 2

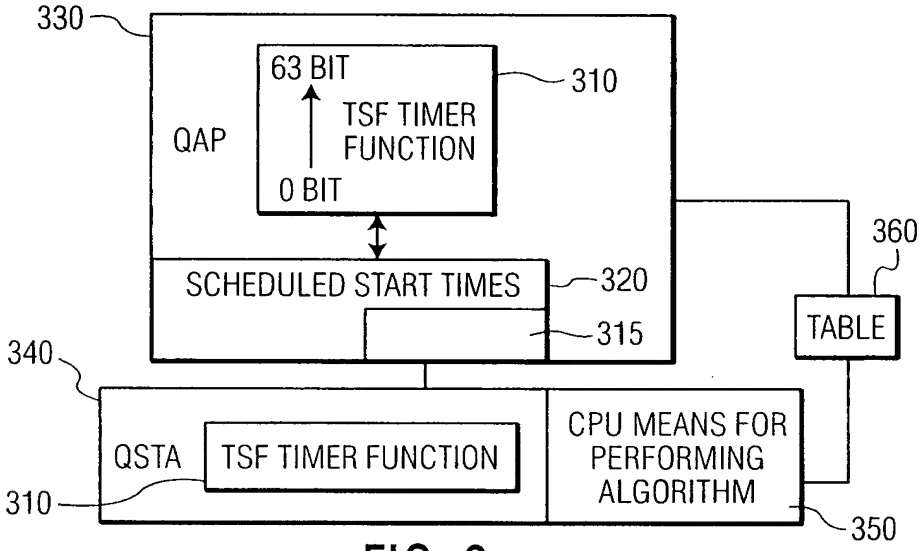

FIG. 3

1) TWO VARIABLES: T AND TIMEOUT
2) ASSUME T >> TIMEOUT. (IN OUR CASE T = 71 MINUTES, (E.G.) TIMEOUT = 5 MINUTES)
3) THE STATION RECEIVES X AT TIME 0

	IF (0 < (0 - X) < TIMEOUT)
CASE 2	X IS A BACKWARD REFERENCE
	IF ((0 + T - X) < TIMEOUT)
CASE 3	X IS A BACKWARD REFERENCE
	ELSE
CASE 1 AND 4	X IS A FORWARD REFERENCE

FIG. 4

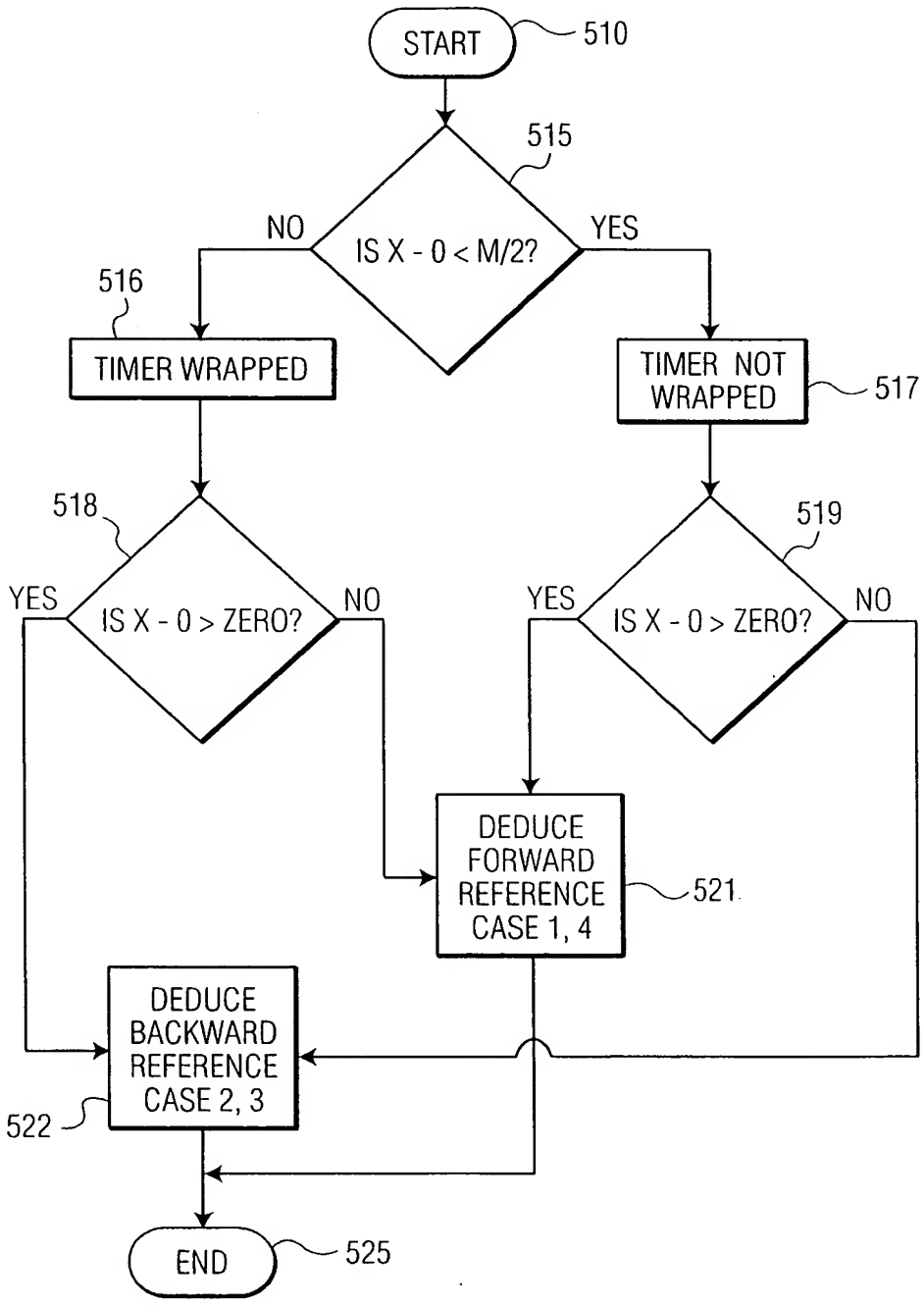
START
510
515
IS X - 0 < M/2?
NO
YES
516
TIMER WRAPPED
TIMER NOT WRAPPED
517
518
IS X - 0 > ZERO?
YES
NO
519
IS X - 0 > ZERO?
YES
NO
DEDUCE FORWARD REFERENCE CASE 1, 4
521
DEDUCE BACKWARD REFERENCE CASE 2, 3
522
END
525

FIG. 5

CASE NO	DID TIMER WRAP?	START LATER THAN RECVD. TIME?	ARITHMETIC	RESULT SIGN	MAGNITUDE OF DIFF
1	N	Y	X - 0	+	< M/2
2	N	N	X - 0	–	< M/2
3	Y	N	X - 0	+	=> M/2
4	Y	Y	X - 0	–	=> M/2

FIG. 6